

## PATENT SPECIFICATION



Application Date: May 1, 1937. No. 8575/38.

494712

(Divided out of No. 494,115).

Complete Specification Left: April 30, 1938.

Complete Specification Accepted: Oct. 31, 1938.

## PROVISIONAL SPECIFICATION

### Improved Method and Means of Rendering Buildings and Rooms Proof Against the Ingress of Toxic Gases

I, THOMAS PUNSHON, of 7, Brooklands Road, Romford, Essex, (British), do hereby declare the nature of this invention to be as follows:—

- 5 The invention comprises prepared strips to form rabbets on frames to act as stops for doors, window-sashes or shutters to close against. The prepared strips comprise narrow lengths of wood or  
10 metal, into, or on to which are secured strips of fibre, rubber or rubber product.

The edge of the fibre or rubber product which comes into contact with door, sash, or shutter, is square, concave or V-shaped. When soft elastic rubber, or 15 fibre is used, a certain amount of suction is caused when the shaped edge is pressed and held in position against a door or sash.

Dated the 20th day of March, 1938.  
THOMAS PUNSHON.

## COMPLETE SPECIFICATION

### Improved Method and Means of Rendering Buildings and Rooms Proof Against the Ingress of Toxic Gases

- 20 I, THOMAS PUNSHON, of 7, Brooklands Road, Romford, Essex, (British), do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described  
25 and ascertained in and by the following statement:—

- The invention comprises narrow strips of prepared rubber or the like, to be fixed onto doors or the like, such as shutters, 30 flaps, window sashes and casements which close against or into any frame-work or openings, or fixed in or onto any frame-work or opening for doors to close against. The surfaces of the strips of  
35 prepared rubber or the like are constructed so that when pressed and held against doors or frame-work by locks or other means they will prevent the ingress of toxic gases and air into rooms or  
40 buildings. The strips have a hollow or grooved engaging surface. In the accompanying drawings some of the shapes or designs of the surfaces of the strips of prepared rubber or the like, which come  
45 into contact with doors or frame-work are shown. Fig. 1, concave. Fig. 2, channel of any shape running lengthwise. A shows cross section. Fig. 3, continuation of hollows of any shape, whether  
50 joined together or not, A shows cross section. Fig. 4, V-shape. Any of these designs may be mounted single or otherwise as desired.

[Price 1/-]

In Figs. 1, 2, 3 and 4, the surface will be effective when used in the manner 55 herein described.

The approximate size of the strips being  $\frac{3}{4}" \times \frac{1}{4}"$ , this may be varied if desired.

For the purpose of my invention, 60 rubber or the like shall include, any product of rubber, whether masticated or not, any fibre woven or knitted and prepared with any substance to enable it to be moulded or shaped as described in the 65 accompanying drawings when used in any way herein mentioned.

The strips can always be in use as draught excluders. To prevent the ingress of toxic gases the strips will be 70 made more effective by smearing with petroleum jelly the parts of doors or frames which come in contact with the prepared surface of the strips of rubber or the like. 75

No particular form of fixing is claimed.

The strips of prepared rubber or the like are for mounting in or onto rabbets of frames, mounted into or onto auxiliary 80 rabbets of frames, mounted to act as stops for doors or the like, or mounted into or onto doors or the like to close into or onto any frame.

No claim is made in respect to sliding 85 doors that butt together or against a pillar or post, or for fixing to sashes or

casements which are hinged or pivoted to open either inwards or outwards.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

A device comprising strips of rubber or the like, having a hollow or groove in

the edge or side to engage doors or the like, when closed into or onto frames, or to engage frames or the like, when doors are closed into them, that will exclude air or toxic gases from rooms or buildings, substantially as described with reference to the accompanying drawings.

Dated the 30th day of April, 1938.

THOMAS PUNSHON.

Leamington Spa: Printed for His Majesty's Stationery Office, by the Courier Press.—1938.

FIG. 1



FIG. 4



FIG. 2

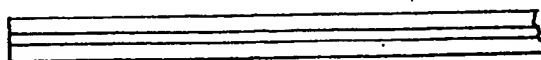
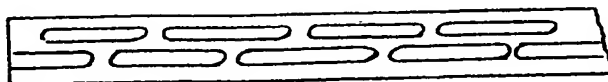
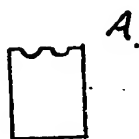


FIG. 3



*[This Drawing is a full-size reproduction of the Original.]*